

US 178

from Main Street (SR 1156) in Rosman to Middlefork Rd (SR 1133)

Local ID: **TRAN0010-H**

Purpose: **Facility Deficiencies**

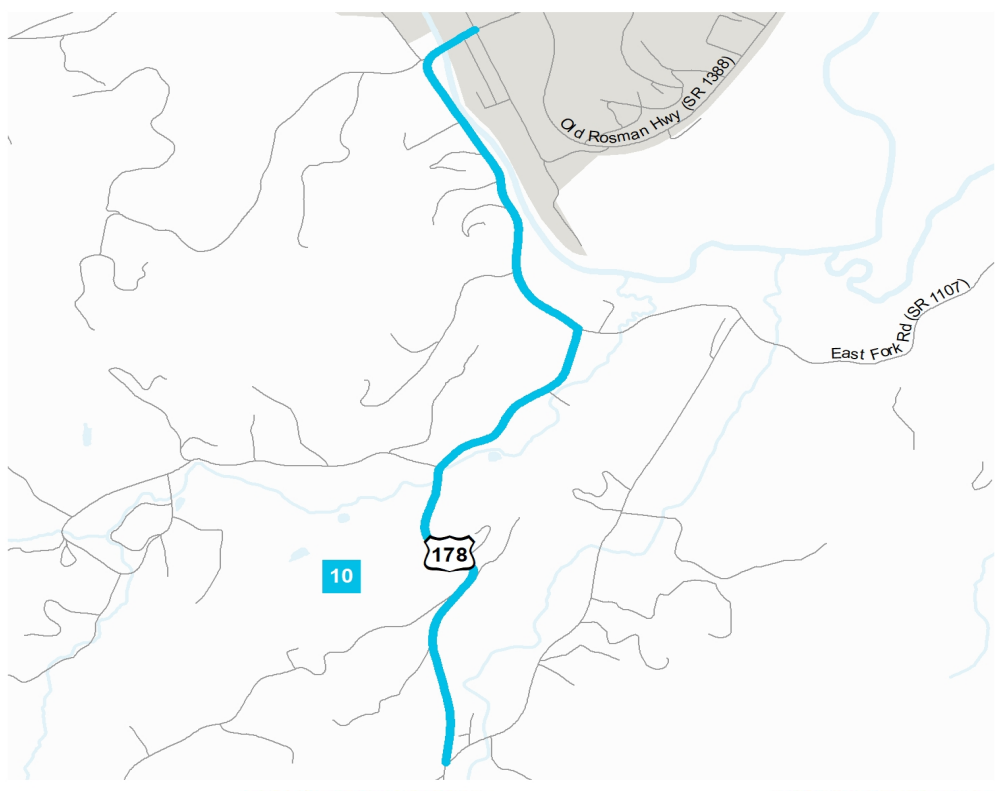
Improvement: **Improve Existing**

Identified Need

US 178 has no paved shoulder and lane widths of 8-9 feet. It is part of locally designated bike routes.

Recommendation

Improve alignment, lane widths, and shoulders to current design standards, including 5-foot paved shoulders.



	Local ID #	Improve	New Location		Local ID #	Improve	New Location
Congestion / Mobility	#	—	—	Interchange	⊙	□	■
Access Management / Operations	#	—	—	Bridge / Overpass	⊙	○	●
Modernization	#	—	—	Intersection	⊙	∠	▲
Other	#	—	—				

Proposal At A Glance

Highway Class	Modernization
Facility Type	Major Thoroughfare 2-lane
Typical Section	02 A
Section Options	-
Estimated Cost	\$14,083,000
Length (miles)	1.86
Existing ROW (feet)	30-80
Safety Risk Score	-

Proposal Data: 2017 Base Year 2045 Future Year

Improved Route	Existing	Without Proposal	With Proposal
<i>Facility Type</i>	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane
<i>Travel Lanes</i>	2	2	2
<i>Volume (vpd)</i>	1300-3000	2400-4600	-
<i>Capacity (vpd)</i>	13100-14600	13100-14600	13100-14600

Capacity Data: Year

Facility will be Approaching Capacity (>80%)	-
Facility will be Over Capacity (>=100%)	-

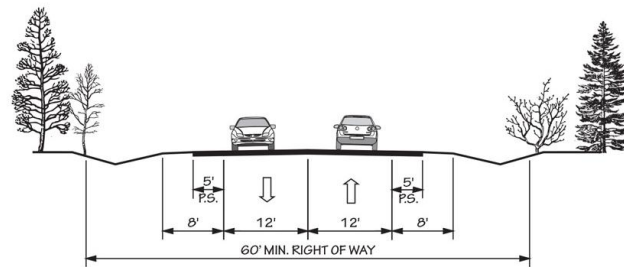


Typical Section Options:

None

TYPICAL SECTION No. 2A

2 LANE UNDIVIDED WITH PAVED SHOULDERS



POSTED SPEED 55 MPH

Linkage to Other Plans

According to the 2013 Blue Ridge Bike Plan, this facility is part of the "Priority County Corridor" connecting Brevard, Rosman, and Pisgah Forest. It is classified as a minor arterial on the Federal Functional Classification System.

Multi-Modal Considerations

Transylvania County Transit, under the name "Transylvania in Motion" operates a fixed route as well as demand response system within the county. The deviated-fixed route does not reach this facility; however, it is within the demand-response area.

Paved Shoulders are recommended along US 178 from Old Roseman Highway (SR 1388) to South Carolina in concurrence with the Transylvania County Bicycle Plan (2019). That plan also recommends the portions closest to Rosman as bike lanes.

Goals & Objectives Survey

The citizens of Transylvania County responded to a public survey in early 2019 with a great deal of support for new greenways, sidewalks, and multi-use paths. When asked for their top three most important project types, these categories ranked first, third and fifth, out of a dozen choices. Rounding out the top five were maintenance and safety projects at second and fourth respectfully. When asked to rank transportation goals, the respondents gave two, preservation of the natural beauty and community character and increasing the number transportation mode choices, substantial net positive scores; improved connectivity, and economic development about neutral; and improved travel time was poorly scored, receiving over 50% of the lowest rank.

Natural & Human Environmental Context

Based on planning level environmental assessment using available GIS data, the proposed project intersects the

French Broad River local watershed. The project is in proximity of one place of worship, the Eastatoe Community Center, and various business and civic location in Rosman. US 178 is in the 100-year floodplain for the Rosman end of the proposal.